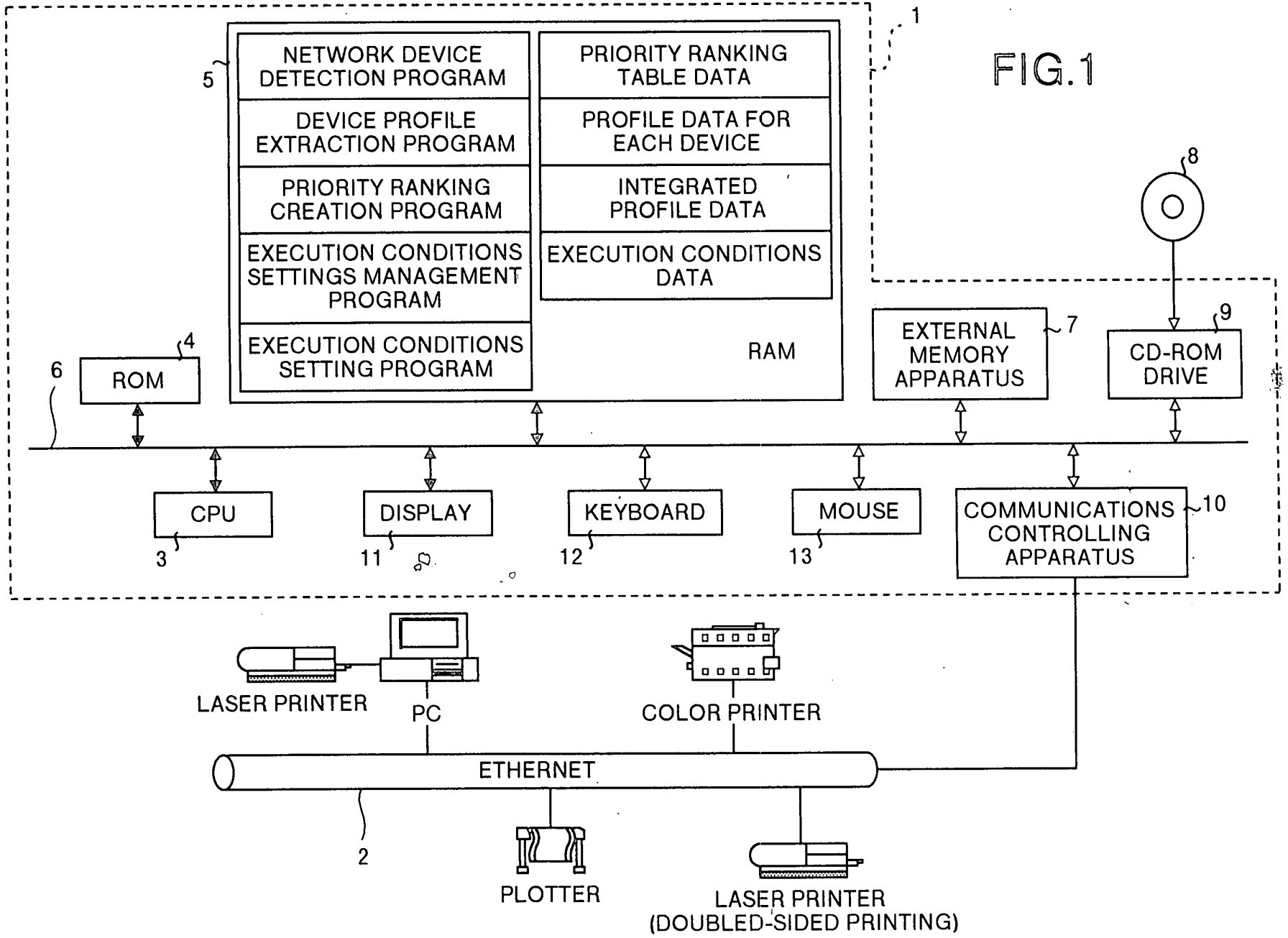

1
5
NETWORK DEVICE DETECTION PROGRAM
DEVICE PROFILE EXTRACTION PROGRAM
PRIORITY RANKING CREATION PROGRAM
EXECUTION CONDITIONS SETTINGS MANAGEMENT PROGRAM
EXECUTION CONDITIONS SETTING PROGRAM
PRIORITY RANKING TABLE DATA
PROFILE DATA FOR EACH DEVICE
INTEGRATED PROFILE DATA
EXECUTION CONDITIONS DATA
RAM
8
4
ROM
6
EXTERNAL MEMORY APPARATUS
7
CD-ROM DRIVE
9
CPU
3
DISPLAY
11
KEYBOARD
12
MOUSE
13
COMMUNICATIONS CONTROLLING APPARATUS
10
LASER PRINTER
PC
COLOR PRINTER
ETHERNET
2
PLOTTER
LASER PRINTER (DOUBLED-SIDED PRINTING)

FIG.1

FIG.2

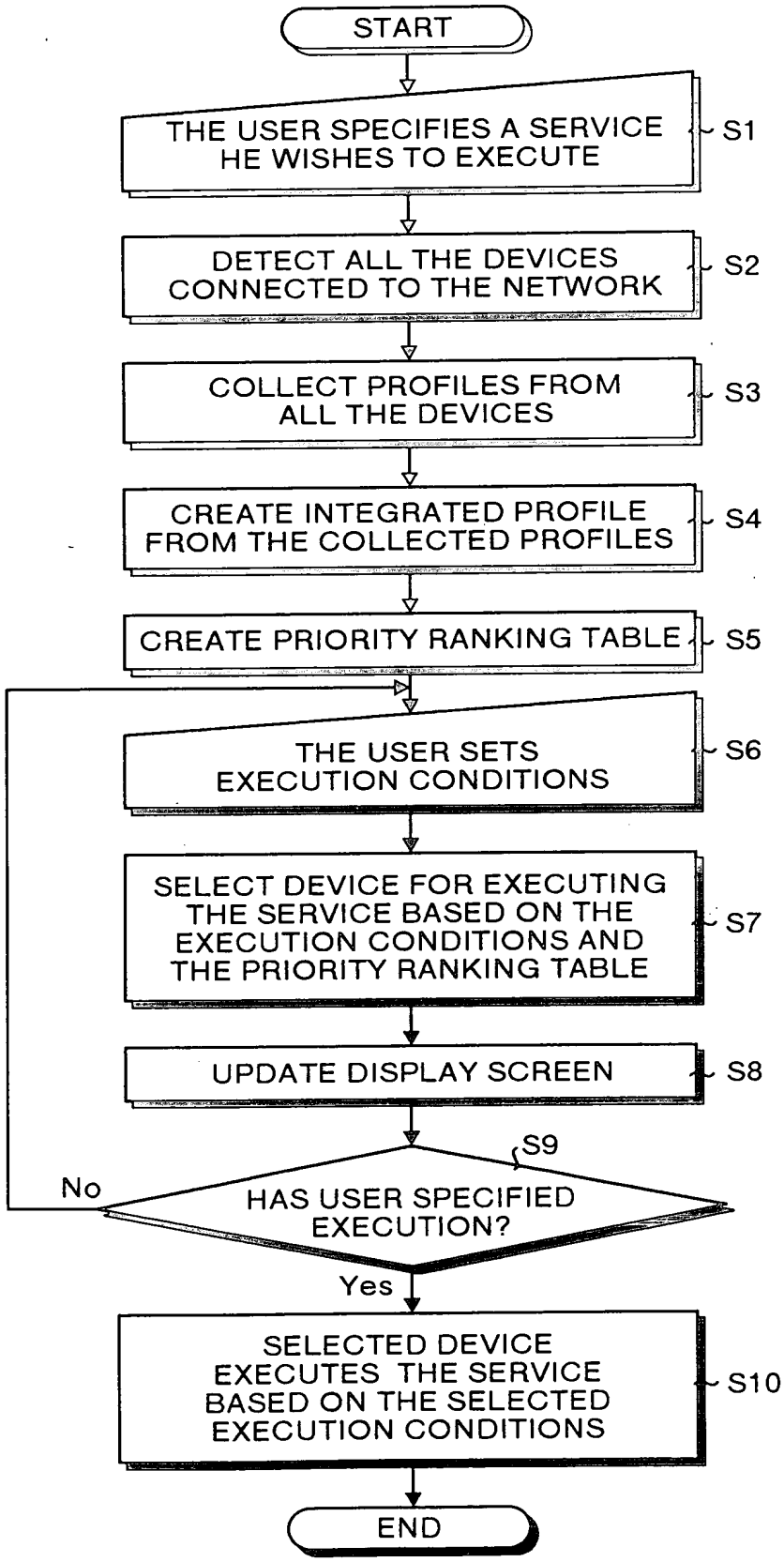

START
THE USER SPECIFIES A SERVICE HE WISHES TO EXECUTE
S1
DETECT ALL THE DEVICES CONNECTED TO THE NETWORK
S2
COLLECT PROFILES FROM ALL THE DEVICES
S3
CREATE INTEGRATED PROFILE FROM THE COLLECTED PROFILES
S4
CREATE PRIORITY RANKING TABLE
S5
THE USER SETS EXECUTION CONDITIONS
S6
SELECT DEVICE FOR EXECUTING THE SERVICE BASED ON THE EXECUTION CONDITIONS AND THE PRIORITY RANKING TABLE
S7
UPDATE DISPLAY SCREEN
S8
S9
HAS USER SPECIFIED EXECUTION?
No
Yes
SELECTED DEVICE EXECUTES THE SERVICE BASED ON THE SELECTED EXECUTION CONDITIONS
S10
END

FIG.3

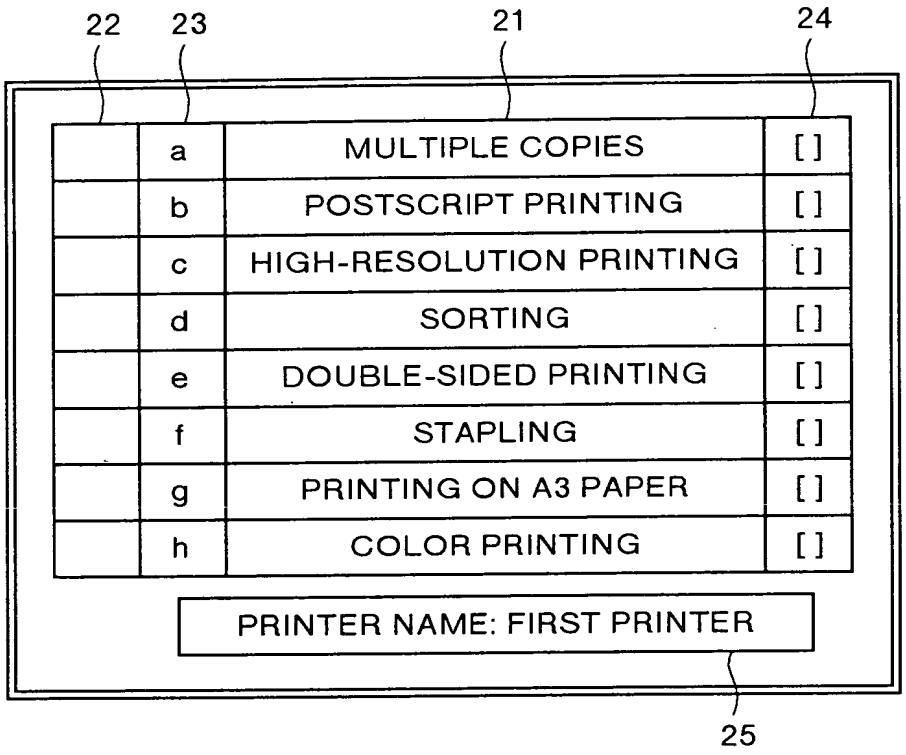

22
23
21
24
a
MULTIPLE COPIES
[ ]
b
POSTSCRIPT PRINTING
[ ]
c
HIGH-RESOLUTION PRINTING
[ ]
d
SORTING
[ ]
e
DOUBLE-SIDED PRINTING
[ ]
f
STAPLING
[ ]
g
PRINTING ON A3 PAPER
[ ]
h
COLOR PRINTING
[ ]
PRINTER NAME: FIRST PRINTER
25

FIG.4A

CATEGORY NAME
MULTIPLE COPIES
POSTSCRIPT PRINTING
HIGH-RESOLUTION PRINTING
SORTING

FIG.4B

CATEGORY NAME
MULTIPLE COPIES
POSTSCRIPT PRINTING
HIGH-RESOLUTION PRINTING
SORTING
DOUBLE-SIDED PRINTING
STAPLING

FIG.4C

CATEGORY NAME
MULTIPLE COPIES
HIGH-RESOLUTION PRINTING
SORTING
DOUBLE-SIDED PRINTING
PRINTING ON A3 PAPER

FIG.4D

CATEGORY NAME
MULTIPLE COPIES
POSTSCRIPT PRINTING
HIGH-RESOLUTION PRINTING
DOUBLE-SIDED PRINTING
STAPLING
COLOR PRINTING

EP 0 955 587 A2

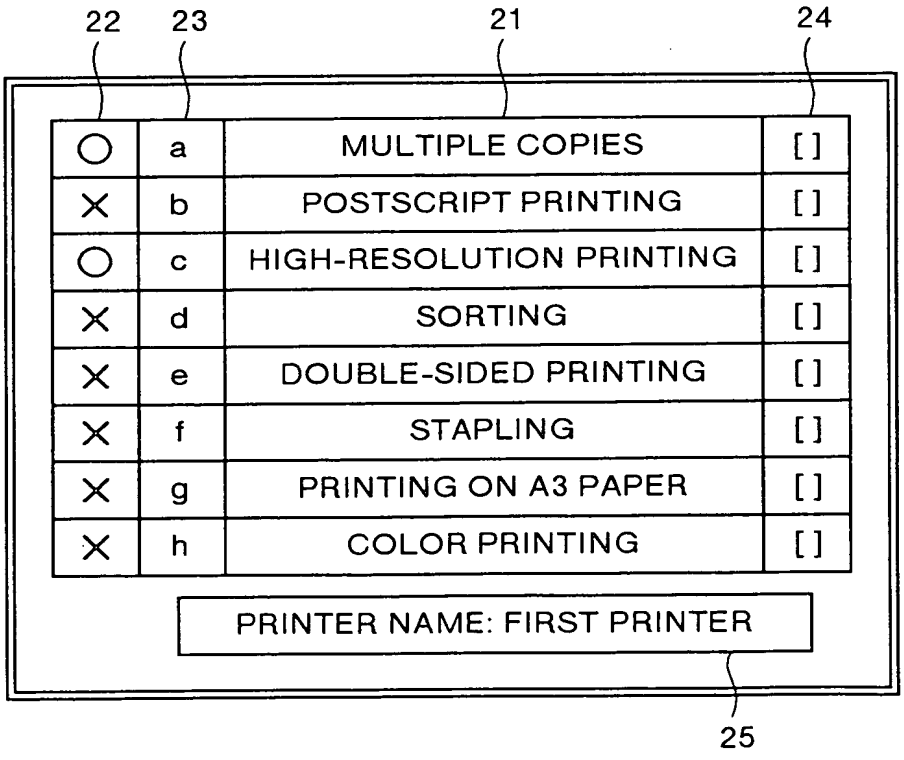
FIG.5

CATEGORY NAME
MULTIPLE COPIES
POSTSCRIPT PRINTING
HIGH-RESOLUTION PRINTING
SORTING
DOUBLE-SIDED PRINTING
STAPLING
PRINTING ON A3 PAPER
COLOR PRINTING

FIG.6

PRIORITY RANKING	CATEGORY NAME
1	FIRST PRINTER
2	SECOND PRINTER
3	THIRD PRINTER
4	FOURTH PRINTER

FIG.7



APPROVED
BY
DRAWING

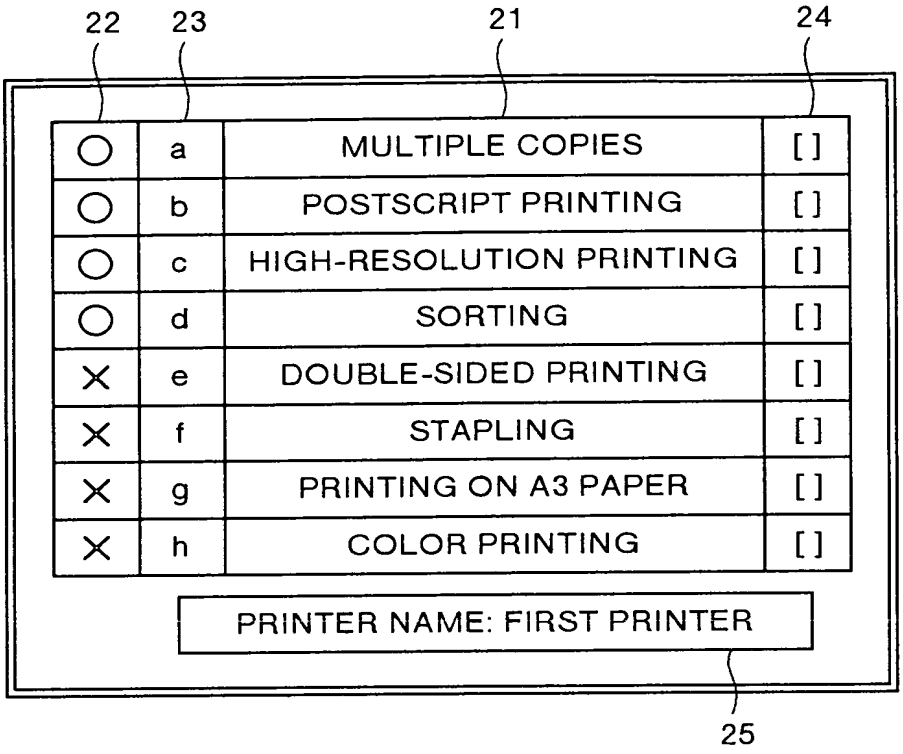


FIG.8

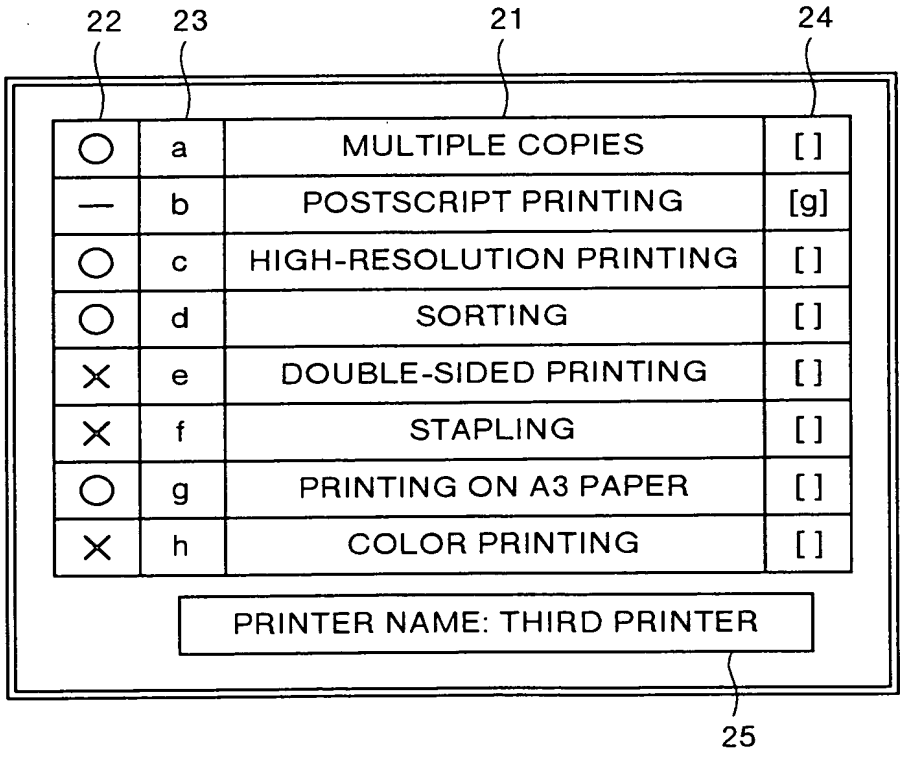


FIG.9

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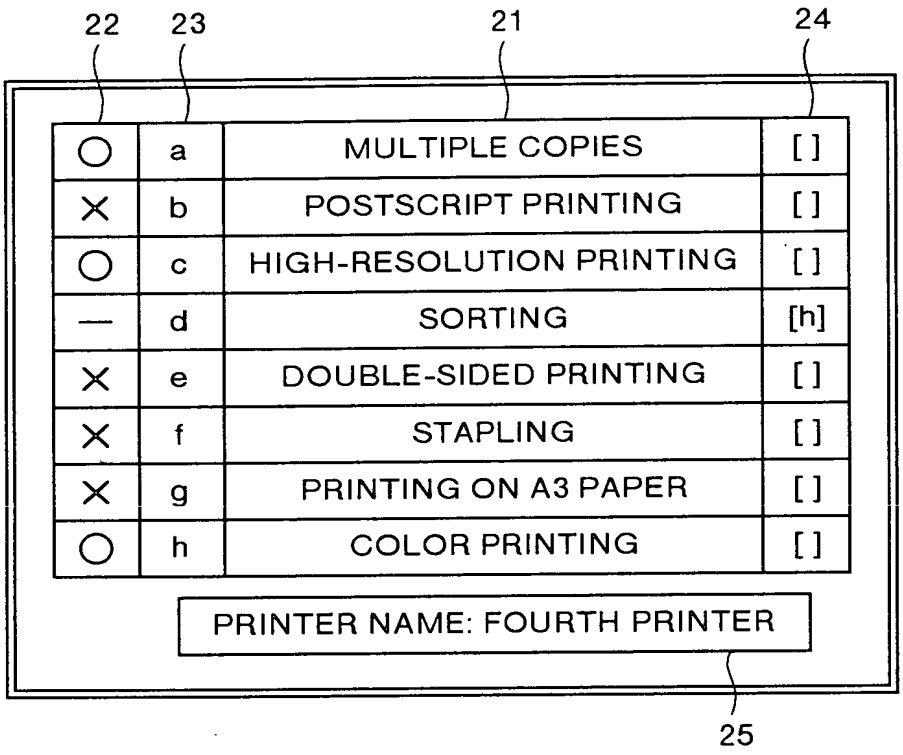
APPROVED BY

FIG.10



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